

FlexPoint™ 10FL/2 User Instructions

Description:

The FlexPoint™ family of converters supports the IEEE 802.3 and Ethernet Versions 1.0 / 2.0 standards. They convert among 10BASE-FL fiber, 10BASE-2 thin coax and 10BASE-T twisted pair (UTP) media

The FlexPoint 10FL/2 converts from 10BASE-FL fiber to 10BASE-2 coax. It uses ST fiber and BNC coax connector. The following models are described here:

Model Fiber Type

Maximum Distance

4310 850 nm (multimode) 2 km 4311 1310 nm (single-mode) 30 km 4312 1310 nm (multimode) 5 km

For metal ST fiber connector, add M before the 'dash' in the Model Number. Example: 4310M-1, 4311M-0

The 10FL/2 provides a switch-selectable 50 ohm termination that allows easy termination of the coax cable. This function should be used only when the FlexPoint is connected at the end of a segment.

Note that the total length of the coax cable must not exceed 185 meters and the number of stations on the coax segment must not exceed 30 stations (per IEEE 802.3 specification).

Power Adapter Notice:

- 1. When using in a stand-alone configuration, this product is intended to be used and must be used only with a Listed Direct Plug-In Power Unit marked "Class 2" and rated at 9Vdc, 1 Amp.
- 2. This product should always be used only with Omnitron Supplied Power Unit model number 9113-PS.

WARNING!

Before installing and connecting the Power Adapter verify that the power on the unit is appropriate for your AC line voltage source.

Mounting:

The Omnitron FlexPoint 10FL/2 can be solo-mounted using a wall-mounting kit, or rack-mounted using a 5-position spacesaver shelf, FlexRack 5, or a 14-position high-density FlexPoint Powered Chassis. When wall-mounting or shelfmounting, connect the power adapter unit.

When connecting the FlexPoint 10FL/2 at the end of a coax segment, attach the coax cable directly into the FlexPoint's BNC coax connector. When connecting it along the coax line (not at the end), use a "T" connector to tap into the cable.

Attach the fiber cables to the FlexPoint's connectors. The FlexPoint's transmit (Tx) must attach to the receive side on the device at the far end of the fiber and the receive (Rx) must attach to the transmit side.

Switch Settings:

"Termination" Switch: When attaching anywhere along a coax cable except at the end, the Termination Switch should be set to "Termination Out" (factory setting). When attaching to the end of a cable, it can be set to "Termination In." Note that when the switch is set to "Termination In," an external termination element must not be attached.

LED Indicators:

<u>LED</u>	Color	<u>Description</u>
Power On	Yellow	Power applied
Jabber	Red	Jabber condition
	Power On	Power On Yellow

Fiber Link Green Operational device detected at the far end of fiber.

Fiber Rx Green Received data on fiber line. Coax Rx Green Received data on coax line. Collision Yellow Collision detected

Technical Support:

If you encounter problems in installing or maintaining this product, contact Omnitron Technical Support:

Phone: (949) 250-6510 (949) 250-6514 Fax:

Address: Omnitron Systems Technology, Inc.

140 Technology Drive, #500 Irvine, CA 92618 USA

E-mail: support@omnitron-systems.com URL: http://www.omnitron-systems.com



Registration Warranty User

and mail or fax this registration form to: complete both sides Please

Technology, Inc. 140 Technology Drive, #500 Irvine, CA 92618 USA **Omnitron Systems** Fax: (949)

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Warning

The operating description in this Instruction Manual is for use by qualified personnel only. To avoid electrical shock, do not perform any servicing of this unit other than that contained in the operating instructions, unless you are qualified and certified to do so by Omnitron Systems Technology, Inc.

Caution

All user-required operations can be performed without opening the unit. Never attempt to open or remove the cover or tamper with the unit.

Warranty

This product is warranted to the original purchaser against defects in material and workmanship for a period of TWO YEARS from the date of shipment. A LIFETIME warranty may be obtained by the original purchaser by REGISTERING this product with Omnitron within 90 days from the date of shipment, TO REGISTER, COMPLETE AND MAIL OR FAX THE REGISTRATION PORTION OF THIS INSTRUCTION MANUAL TO THE INDICATED ADDRESS. During the warranty period, Omnitron will, at its option, repair or replace a product which is proven to be defective.

For warranty service, the product must be sent to an Omnitron designated facility, at Buyer's expense. Omnitron will pay the shipping charge to return the

product to Buyer's designated US address using Omnitron's standard shipping method.

Limitation of Warranty

The foregoing warranty shall not apply to defects resulting from improper or inadequate use and/or maintenance of the equipment by Buyer, Buyer-supplied equipment, Buyer-supplied interfacing, unauthorized modifications or tampering with equipment (including removal of equipment cover by personnel not specifically authorized and certified by Omnitron), or misuse, or operating outside the environmental specification of the product (including but not limited to voltage, ambient temperature, radiation, unusual dust, etc.), or improper site preparation or maintenance.

No other warranty is expressed or implied. Omnitron specifically disclaims the implied warranties of merchantability and fitness for any particular purpose.

Exclusive Remedies

The remedies provided herein are the Buyer's sole and exclusive remedies. Omnitron shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any legal

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